

XANAX® Tablets (alprazolam)

CONTRAINDICATIONS

Patients with sensitivity to this drug or other benzodiazepines and in acute narrow angle glaucoma.

WARNINGS

Not of value in psychotic patients. Caution patients against hazardous occupations requiring complete mental alertness and about the simultaneous ingestion of alcohol and other CNS depressant drugs.

Benzodiazepines can cause fetal harm in pregnant women. Warn patients of the potential hazard to the fetus. Avoid during the first trimester.

PRECAUTIONS

General: The dosage of XANAX Tablets should be reduced or withdrawn gradually, since withdrawal seizures have been reported upon abrupt withdrawal. If XANAX is combined with other psychotropics or anticonvulsant drugs, consider drug potentiation (see Drug Interaction section). Exercise the usual precautions regarding size of the prescription for depressed or suicidal patients. In elderly and debilitated patients, use the lowest possible dosage (see Dosage and Administration). Observe the usual precautions in treating patients with impaired renal or hepatic function.

Information for Patients: Alert patients about: (a) consumption of alcohol and drugs, (b) possible fetal abnormalities, (c) operating machinery or driving, (d) not increasing dose of the drug due to risk of dependence, (e) not stopping the drug abruptly. **Laboratory Tests:** Not ordinarily required in otherwise healthy patients. **Drug Interactions:** Additive CNS depressant effects with other psychotropics, anticonvulsants, antihistamines, ethanol and other CNS depressants. Pharmacokinetic interactions with other drugs, e.g., cimetidine, have been reported. **Drug/Laboratory Test Interactions:** No consistent pattern for a drug or test. **Carcinogenesis, Mutagenesis, Impairment of Fertility:** No carcinogenic potential or impairment of fertility in rats. **Pregnancy:** See Warnings. **Nonteratogenic Effects:** The child born of a mother on benzodiazepines may be at some risk for withdrawal symptoms and neonatal flaccidity. **Labor and Delivery:** No established use. **Nursing Mothers:** Benzodiazepines are excreted in human milk. Women on XANAX should not nurse. **Pediatric Use:** Safety and effectiveness in children below the age of 18 have not been established.

ADVERSE REACTIONS

Side effects are generally observed at the beginning of therapy and usually disappear with continued medication. In the usual patient, the most frequent side effects are likely to be an extension of the pharmacologic activity of XANAX, e.g., drowsiness or lightheadedness.

Central nervous system: Drowsiness, lightheadedness, depression, headache, confusion, insomnia, nervousness, syncope, dizziness, akathisia, and tiredness/sleepiness. **Gastrointestinal:** Dry mouth, constipation, diarrhea, nausea/vomiting, and increased salivation. **Cardiovascular:** Tachycardia/palpitations, and hypotension. **Sensory:** Blurred vision. **Musculoskeletal:** Rigidity and tremor. **Cutaneous:** Dermatitis/allergy. **Other side effects:** Nasal congestion, weight gain, and weight loss. Withdrawal seizures have been reported upon rapid decrease or abrupt discontinuation of XANAX. (See Precautions.)

In addition, the following adverse events have been reported with the use of benzodiazepines: dystonia, irritability, concentration difficulties, anorexia, transient amnesia or memory impairment, loss of coordination, fatigue, sedation, slurred speech, jaundice, musculoskeletal weakness, pruritus, diplopia, dysarthria, changes in libido, menstrual irregularities, incontinence and urinary retention.

Paradoxical reactions such as stimulation, agitation, increased muscle spasticity, sleep disturbances, and hallucinations may occur. Should these occur, discontinue the drug.

During prolonged treatment, periodic blood counts, urinalysis, and blood chemistry analysis are advisable. Minor EEG changes, of unknown significance, have been observed.

DRUG ABUSE AND DEPENDENCE

Physical and Psychological Dependence: Withdrawal symptoms have occurred following abrupt discontinuance of benzodiazepines. Withdrawal seizures have occurred upon rapid decrease or abrupt discontinuation of therapy. In all patients, dosage should be gradually tapered under close supervision. Patients with a history of seizures or epilepsy should not be abruptly withdrawn from XANAX. Addiction-prone individuals should be under careful surveillance. **Controlled Substance Class:** XANAX is a controlled substance and has been assigned to schedule IV.

OVERDOSAGE

Manifestations include somnolence, confusion, impaired coordination, diminished reflexes and coma. No delayed reactions have been reported.

DOSAGE AND ADMINISTRATION

Dosage should be individualized.

The usual starting dose is 0.25 to 0.5 mg, t.i.d. Maximum total daily dose is 4 mg. In the elderly or debilitated, the usual starting dose is 0.25 mg, two or three times daily. Reduce dosage gradually when terminating therapy, by no more than 0.5 milligram every three days.

HOW SUPPLIED

XANAX Tablets are available as 0.25 mg, 0.5 mg, and 1 mg tablets.

Caution: Federal law prohibits dispensing without prescription.

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Brochures and registration forms are available from the contact person or organization sponsoring the program.

November 5-7—**Gynecologic Surgery: Principles, Techniques and Management of Complications.** Hyatt Regency, Scottsdale. Thurs-Sat. Contact: Robin Murray, ACOG, (202) 638-5577, ext 343.

November 16-17—**Update on Management of Spina Bifida.** La Posada Resort, Scottsdale. Mon-Tues. Contact: Barrow Neurological Institute, (602) 285-3178 or 1 (800)-BARROW-1.

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ANESTHESIOLOGY

August 23-28—**California Society of Anesthesiologists Hawaiian Seminar.** Sheraton Royal Waikoloa Hotel, The Big Island, Hawaii. Sun-Fri. 20 hrs. \$375. Contact: Linda P. Londerville, 100 S Ellsworth Ave, Ste 806, San Mateo 94401. (415) 348-1407.

September 12-13—**Case Conference on Clinical Anesthesiology.** California Society of Anesthesiologists at High Sierra Hotel, Lake Tahoe, Nevada. Sat-Sun. 9 hrs. \$160. Contact: California Society of Anesthesiologists, 100 S Ellsworth Ave, Ste 806, San Mateo 94401. (415) 348-1407.

January 29-31—**26th Clinical Conference in Pediatric Anesthesiology.** Pediatric Anesthesiology Foundation at Los Angeles Airport Marriott Hotel. Fri-Sun. 15 hrs. \$225. Contact: Wayne Herbert, MD, Childrens Hospital of Los Angeles, PO Box 54700, Los Angeles, CA 90054. (213) 669-2262.

January 31-February 5—**Biennial Western Conference on Anesthesiology: 1988 Clinical Update in Anesthesiology.** Toussaint Hospital Medical Education Program at Stouffer's Wailea Beach Resort, Maui, Hawaii. Sun-Fri. 22.5 hrs. \$375. Contact: Murray G. Atnikov, c/o Box F110-63, Baline, WA 98230. (604) 874-5291.

October 18-23—**Hawaiian Seminar on Clinical Anesthesia.** California Society of Anesthesiology at Westin Maui, Kaanapali Beach, Hawaii. Sun-Fri. 20 hrs. \$375. Contact: California Society of Anesthesiology, 100 S Ellsworth Ave, Ste 806, San Mateo 94401. (415) 348-1407.

CANCER

September 12—**Advances in Lung Cancer.** UCI at Long Beach. Sat. Contact: UCI.

September 19—**Third Annual Cancer Conference.** St. Agnes Medical Center at Total Life Center, St. Agnes Medical Center. Sat. 5 hrs. \$35. Contact: Carol Witham, St. Agnes Medical Center, 1303 E Herndon Ave, Fresno 93710. (209) 449-3570.

October 19-21—**11th Annual Cancer Symposium.** Scripps Memorial Hospital at Sheraton Harbor Island Hotel, San Diego. Mon-Wed. 21 hrs. \$350. Contact: Nomi Feldman, Scripps Memorial Hospital, 3770 Tansy, San Diego 92121. (619) 453-6222.

December 9—**23rd Northern California Cancer Conference.** N. T. Enloe Memorial Hospital and Chico Community Hospital at Enloe Hospital, Chico. Wed. 6 hrs. Contact: Linda Morgado, Enloe Hospital, W 5th and The Esplanade, Chico 95926. (916) 891-7300.

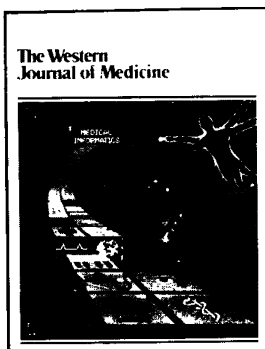
December 12—**Bronchology Laser Cancer Symposium.** UCI at Long Beach. Sat. Contact: UCI.

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- CMA: California Medical Association
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- DREW: Charles R. Drew Postgraduate Medical School
Contact: Herbert M. Thomas, MD, MPH, Director of CME, Office of Continuing Education, Charles R. Drew Postgraduate Medical School, 1621 East 120th Street, Los Angeles 90059. (213) 603-3183.
- LLU: Loma Linda University
Contact: Varner J. Johns, Jr, MD, Associate Dean for Continuing Medical Education, Loma Linda University School of Medicine, Loma Linda 92354. (714) 796-7311, ext 2400.
- PMC: Pacific Medical Center
Contact: Continuing Education, Pacific Medical Center, PO Box 7999, San Francisco 94120. (415) 563-4321, ext 2761.
- STAN: Stanford University
Contact: Edward Rubenstein, MD, Associate Dean for Postgraduate Education, Medical School Office Building, Suite X-365, Stanford 94305-6114. (415) 723-5594.
- UCD: University of California, Davis
Contact: Ruth Feryok, Director, Office of Continuing Medical Education, University of California, Davis, School of Medicine, 2701 Stockton Boulevard, Sacramento 95817. (916) 453-5390.
- UCI: University of California, Irvine
Contact: Melvin I. Marks, MD, Assistant Dean, University of California, Irvine, California College of Medicine, c/o UCI/CME Program, Memorial Medical Center, 2801 Atlantic Avenue, Long Beach 90801-1428. (213) 595-3811, or (714) 856-5414, UCI Extension.
- UCLA: University of California, Los Angeles
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- UCSF: University of California, San Francisco
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- USC: University of Southern California
Contact: Phil R. Manning, MD, Associate Dean, Postgraduate Division, University of Southern California School of Medicine, 1975 Zonal Ave, KAM314, Los Angeles 90033. (213) 224-7051.

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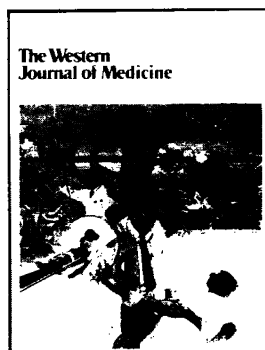


Medical Informatics

I would suggest that the computer in its relation to medicine is analogous to that of the microscope in the last century. . . . The analogous role that I believe the computer is now taking on is also that of a breakthrough tool—one enabling us to explore and better understand the informational and cognitive foundations of medicine. Its application to the classification and retrieval of data and to the management of information will result in a deeper insight into the structure of medical information and knowledge itself.

—Marsden S. Blois, PhD, MD

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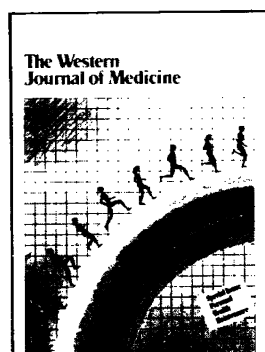


High-Tech Medicine

Progress in medical science seems to come in rushes. There are long periods of time during which we mainly fine-tune the status quo: third-generation drugs, better optics for endoscopes, more accurate assays, rapid development of x-ray film and so forth. Then, out of nowhere, a surge of new discoveries whose potential applications to medical practice seem limitless takes our breath away. We are now in such an epoch. Powerful and precise lasers. Almost unbelievable organ transplantation. Complex and uniquely informative magnetic resonance imaging and positron emission tomography. Exquisitely specific monoclonal antibodies. And the immense potential of modern molecular biology. This rush of new advances, collapsed into such a brief period of time, boggles the mind.

—R. Paul Robertson, MD

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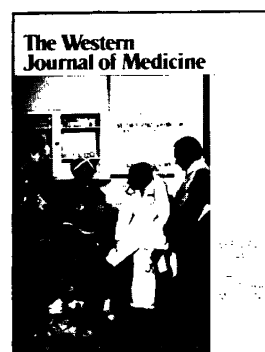


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1. Sachs R, Frank M, Fishman SK: Overview of clinical experience with glipizide. In *Glipizide: A Worldwide Review*. Princeton, NJ, Excerpta Medica, 1984, pp 163-172.

GLUCOTROL (glipizide) Tablets**Brief Summary of Prescribing Information**

INDICATIONS AND USAGE: GLUCOTROL is indicated as an adjunct to diet for the control of hyperglycemia in patients with non-insulin-dependent diabetes mellitus (NIDDM, type II) after an adequate trial of dietary therapy has proved unsatisfactory.

CONTRAINDICATIONS: GLUCOTROL is contraindicated in patients with known hypersensitivity to the drug or with diabetic ketoacidosis, with or without coma, which should be treated with insulin.

SPECIAL WARNING ON INCREASED RISK OF CARDIOVASCULAR MORTALITY: The administration of oral hypoglycemic drugs has been reported to be associated with increased cardiovascular mortality as compared to treatment with diet alone or diet plus insulin. This warning is based on the study conducted by the University Group Diabetes Program (UGDP), a long-term prospective clinical trial designed to evaluate the effectiveness of glucose-lowering drugs in preventing or delaying vascular complications in patients with non-insulin-dependent diabetes. The study involved 823 patients who were randomly assigned to one of four treatment groups (*Diabetes* 19, supp. 2:747-830, 1970).

UGDP reported that patients treated for 5 to 8 years with diet plus a fixed dose of tolbutamide (1.5 grams per day) had a rate of cardiovascular mortality approximately 2-1/2 times that of patients treated with diet alone. A significant increase in total mortality was not observed, but the use of tolbutamide was discontinued based on the increase in cardiovascular mortality, thus limiting the opportunity for the study to show an increase in overall mortality. Despite controversy regarding the interpretation of these results, the findings of the UGDP study provide an adequate basis for this warning. The patient should be informed of the potential risks and advantages of GLUCOTROL, and of alternative modes of therapy.

Although only one drug in the sulfonylurea class (tolbutamide) was included in this study, it is prudent from a safety standpoint to consider that this warning may also apply to other oral hypoglycemic drugs in this class, in view of their close similarities in mode of action and chemical structure.

PRECAUTIONS: Renal and Hepatic Disease: The metabolism and excretion of GLUCOTROL may be slowed in patients with impaired renal and/or hepatic function. Hypoglycemia may be prolonged in such patients should it occur.

Hypoglycemia: All sulfonylureas are capable of producing severe hypoglycemia. Proper patient selection, dosage and instructions are important to avoid hypoglycemia. Renal or hepatic insufficiency may increase the risk of hypoglycemic reactions. Elderly, debilitated, or malnourished patients and those with adrenal or pituitary insufficiency are particularly susceptible to the hypoglycemic action of glucose-lowering drugs. Hypoglycemia may be difficult to recognize in the elderly or people taking beta-adrenergic blocking drugs. Hypoglycemia is more likely to occur when caloric intake is deficient, after severe or prolonged exercise, when alcohol is ingested, or when more than one glucose-lowering drug is used.

Loss of Control of Blood Glucose: A loss of control may occur in diabetic patients exposed to stress such as fever, trauma, infection or surgery. It may then be necessary to discontinue GLUCOTROL and administer insulin.

Laboratory Tests: Blood and urine glucose should be monitored periodically. Measurement of glycosylated hemoglobin may be useful.

Information for Patients: Patients should be informed of the potential risks and advantages of GLUCOTROL, of alternative modes of therapy, as well as the importance of adhering to dietary instructions, of a regular exercise program, and of regular testing of urine and/or blood glucose. The risks of hypoglycemia, its symptoms and treatment, and conditions that predispose to its development should be explained to patients and responsible family members. Primary and secondary failure should also be explained.

Drug Interactions: The hypoglycemic action of sulfonylureas may be potentiated by certain drugs including non-steroidal anti-inflammatory agents and other drugs that are highly protein bound, salicylates, sulfonamides, chloramphenicol, probenecid, coumarins, monoamine oxidase inhibitors, and beta adrenergic blocking agents. *In vitro* studies indicate that GLUCOTROL binds differently than tolbutamide and does not interact with salicylate or dicumarol. However, caution must be exercised in extrapolating these findings to a clinical situation. Certain drugs tend to produce hyperglycemia and may lead to loss of control, including the thiazides and other diuretics, corticosteroids, phenothiazines, thyroid products, estrogens, oral contraceptives, phenytoin, nicotinic acid, sympathomimetics, calcium channel blocking drugs, and isoniazid. A potential interaction between oral miconazole and oral hypoglycemic agents leading to severe hypoglycemia has been reported. Whether this interaction also occurs with the intravenous, topical, or vaginal preparations of miconazole is not known.

Carcinogenesis, Mutagenesis, Impairment of Fertility: A 20-month study in rats and an 18-month study in mice at doses up to 75 times the maximum human dose revealed no evidence of drug-related carcinogenicity. Bacterial and *in vivo* mutagenicity tests were uniformly negative. Studies in rats of both sexes at doses up to 75 times the human dose showed no effects on fertility.

Pregnancy: Pregnancy Category C: GLUCOTROL (glipizide) was found to be mildly fetotoxic in rat reproductive studies at all dose levels (5-50 mg/kg). This fetotoxicity has been similarly noted with other sulfonylureas, such as tolbutamide and tolazamide. The effect is perinatal and believed to be directly related to the pharmacologic (hypoglycemic) action of GLUCOTROL. In studies in rats and rabbits no teratogenic effects were found. There are no adequate and well-controlled studies in pregnant women. GLUCOTROL should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus.

Because recent information suggests that abnormal blood glucose levels during pregnancy are associated with a higher incidence of congenital abnormalities, many experts recommend that insulin be used during pregnancy to maintain blood glucose levels as close to normal as possible.

Nonteratogenic Effects: Prolonged severe hypoglycemia has been reported in neonates born to mothers who were receiving a sulfonylurea drug at the time of delivery. This has been reported more frequently with the use of agents with prolonged half-lives. GLUCOTROL should be discontinued at least one month before the expected delivery date.

Nursing Mothers: Since some sulfonylurea drugs are known to be excreted in human milk, insulin therapy should be considered if nursing is to be continued.

Pediatric Use: Safety and effectiveness in children have not been established.

ADVERSE REACTIONS: In controlled studies, the frequency of serious adverse reactions reported was very low. Of 702 patients, 11.8% reported adverse reactions and in only 1.5% was GLUCOTROL discontinued.

Hypoglycemia: See PRECAUTIONS and OVERDOSAGE sections.

Gastrointestinal: Gastrointestinal disturbances, the most common, were reported with the following approximate incidence: nausea and diarrhea, one in 70; constipation and gastralgia, one in 100. They appear to be dose-related and may disappear on division or reduction of dosage. Cholestatic jaundice may occur rarely with sulfonylureas; GLUCOTROL should be discontinued if this occurs.

Dermatologic: Allergic skin reactions including erythema, morbilliform or maculopapular eruptions, urticaria, pruritus, and eczema have been reported in about one in 70 patients. These may be transient and may disappear despite continued use of GLUCOTROL; if skin reactions persist, the drug should be discontinued. Porphyria cutanea tarda and photosensitivity reactions have been reported with sulfonylureas.

Hematologic: Leukopenia, agranulocytosis, thrombocytopenia, hemolytic anemia, aplastic anemia, and pancytopenia have been reported with sulfonylureas.

Metabolic: Hepatic porphyria and disulfiram-like alcohol reactions have been reported with sulfonylureas. Clinical experience to date has shown that GLUCOTROL has an extremely low incidence of disulfiram-like reactions.

Endocrine Reactions: Cases of hyponatremia and the syndrome of inappropriate antidiuretic hormone (SIADH) secretion have been reported with this and other sulfonylureas.

Miscellaneous: Dizziness, drowsiness, and headache have each been reported in about one in fifty patients treated with GLUCOTROL. They are usually transient and seldom require discontinuance of therapy.

OVERDOSAGE: Overdosage of sulfonylureas including GLUCOTROL can produce hypoglycemia. If hypoglycemic coma is diagnosed or suspected, the patient should be given a rapid intravenous injection of concentrated (50%) glucose solution. This should be followed by a continuous infusion of a more dilute (10%) glucose solution at a rate that will maintain the blood glucose at a level above 100 mg/dL. Patients should be closely monitored for a minimum of 24 to 48 hours since hypoglycemia may recur after apparent clinical recovery. Clearance of GLUCOTROL from plasma would be prolonged in persons with liver disease. Because of the extensive protein binding of GLUCOTROL (glipizide), dialysis is unlikely to be of benefit.

DOSEAGE AND ADMINISTRATION: There is no fixed dosage regimen for the management of diabetes mellitus with GLUCOTROL; in general, it should be given approximately 30 minutes before a meal to achieve the greatest reduction in postprandial hyperglycemia.

Initial Dose: The recommended starting dose is 5 mg before breakfast. Geriatric patients or those with liver disease may be started on 2.5 mg. Dosage adjustments should ordinarily be in increments of 2.5-5 mg, as determined by blood glucose response. At least several days should elapse between titration steps.

Maximum Dose: The maximum recommended total daily dose is 40 mg.

Maintenance: Some patients may be effectively controlled on a once-a-day regimen, while others show better response with divided dosing. Total daily doses above 15 mg should ordinarily be divided.

HOW SUPPLIED: GLUCOTROL is available as white, dye-free, scored diamond-shaped tablets imprinted as follows: 5 mg tablet—Pfizer 411 (NDC 5 mg 0049-4110-66) Bottles of 100; 10 mg tablet—Pfizer 412 (NDC 10 mg 0049-4120-66) Bottles of 100.

CAUTION: Federal law prohibits dispensing without prescription.

More detailed professional information available on request.

CONTINUING MEDICAL EDUCATION

(Continued from Page 142)

CARDIOLOGY

September 11-13—**Advanced Cardiac Life Support, CPR Seminars** at Incline Village, Lake Tahoe, Nevada. Fri-Sun. \$170. Contact: CPR Seminar, 833 Market St, Ste 421, San Francisco 94103. (415) 543-7282.

September 12—**57th Annual Physicians' Postgraduate Symposium on Cardiovascular Disease.** American Heart Association, San Francisco at Cathedral Hill Hotel, San Francisco. Sat. 9 hrs. \$100. Contact: AHA, 42 Powell St, San Francisco 94102. (415) 433-2273

September 17-18—**Optimal Coronary Revascularization.** Santa Barbara Medical Foundation Clinic, Sansum Medical Clinic and Santa Barbara Cottage Hospital at Red Lion Resort Hotel, Santa Barbara. Thurs-Fri. 14 hrs. \$275. Contact: Nomi Feldman, 3770 Tansy, San Diego 92121. (619) 453-6222.

September 18-20—**Diagnosis and Management of Respiratory Diseases.** Medical Education Resources at Tropicana Hotel, Las Vegas, Nevada. Fri-Sun. 13 hrs. \$295. Contact: Medical Education Resources, 5808 S Rapp St, Ste 202, Littleton, CO 80120. (800) 421-3756.

September 25-27—**International Workshop on Future Directions in Interventional Cardiology.** American College of Cardiology at Red Lion Resort, Santa Barbara. Fri-Sun. Contact: ACC, 9111 Old Georgetown Rd, Bethesda, MD 20814. (800) 253-4636, ext 226, or (301) 897-5400.

October 15-17—**11th Annual Seminar: Cardiology Update 1987.** American College of Cardiology at Quail Lodge, Carmel. Thurs-Sat. Contact: Mary Anne McInerney, ACC, 9111 Old Georgetown Rd, Bethesda, MD 20814. (301) 897-5400.

October 15-17—**Recent Advances in Pulmonary and Critical Care Medicine.** UCSF at Hyatt on Union Square, San Francisco. Thurs-Sat. 15 hrs. \$365. Contact: UCSF.

October 24—**Cardiology.** Los Angeles Pediatric Society at UCLA. Sat. 6.5 hrs. \$275. Contact: LAPS, PO Box 2022, Inglewood 90305. (213) 757-1198.

October 30-31—**Coronary Heart Disease.** Medical Education Resources at Las Vegas Hilton Hotel, Nevada. Fri-Sat. 11 hrs. \$295. Contact: Medical Education Resources, 5808 S Rapp St, Ste 202, Littleton, CO 80120. (800) 421-3756.

November 13-14—**Arrhythmias: Interpretation, Diagnosis and Management.** Medical Education Resources at Hilton Hotel, San Francisco. Fri-Sat. 11 hrs. \$295. Contact: Medical Education Resources, 5808 S Rapp St, Ste 202, Littleton, CO 80120. (800) 421-3756.

November 14—**16th Annual Cardiology Symposium.** Fresno Community Hospital at Center Plaza Hotel, Fresno. Sat. Contact: Joann Ellis, Fresno Community Hospital, PO Box 1232, Fresno 93715. (209) 442-3936.

December 4-5—**Arrhythmias: Interpretation, Diagnosis and Management.** Medical Education Resources at Bally's Hotel, Las Vegas, Nevada. Fri-Sat. 11 hrs. \$295. Contact: Medical Education Resources, 5808 S Rapp St, Ste 202, Littleton, CO 80120. (800) 421-3756 or (303) 798-9682.

January 22-24—**Advanced Cardiac Life Support, CPR Seminars** at Ralph K. Davies Medical Center. Fri-Sun. Contact: CPR Seminars, 833 Market St, Ste 421, San Francisco 94103. (415) 543-7282.

January 28-30—**Clinical Nuclear Cardiology.** ACC at Cedars-Sinai Medical Center, Los Angeles. Thurs-Sat. Contact: Mary Anne McInerney, ACC, 9111 Old Georgetown Rd, Bethesda, MD 20814. (301) 897-5400.

DERMATOLOGY

October 24-25—**16th Annual Mycology Review.** STAN at STAN. Sat-Sun. Contact: STAN.

EMERGENCY MEDICINE

August 21-23—**Sports Medicine Updates.** J. Bear Co at Klamath River (whitewater rafting). Fri-Sun. 10 hrs. \$295. Contact: J. Bear Co, PO Box 1536, Yreka 96097. (916) 842-6970.

August 23-28—**New Advances in Internal Medicine.** UCD at Hyatt Monterey. Sun-Fri. Contact: UCD.

August 31-September 4—**Topics in Emergency Medicine.** UCSF at Holiday Inn Union Square, San Francisco. Mon-Fri. 31 hrs. \$420. Contact: UCSF.

September 5-7—**Wilderness Medicine.** J. Bear Co at Klamath River (whitewater rafting). Sat-Mon. 10 hrs. \$295. Contact: J. Bear Co, PO Box 1536, Yreka 96097. (916) 842-6970.

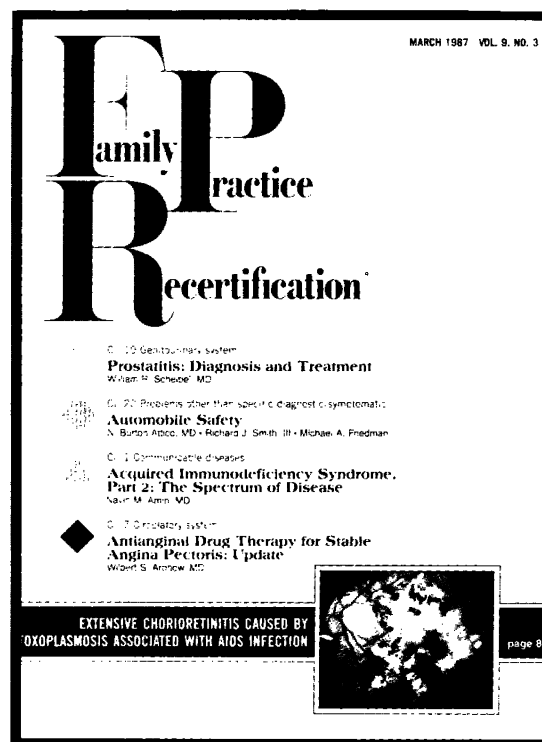
(Continued on Page 151)

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CONTINUING MEDICAL EDUCATION

(Continued from Page 150)

- September 11-13—**Advanced Cardiac Life Support**. CPR Seminars at Incline Village, Lake Tahoe, Nevada. Fri-Sun. \$170. Contact: CPR Seminars, 833 Market St, Ste 421, San Francisco 94103. (415) 543-7282.
- September 13-20—**Diving and Marine Medicine**. J. Bear Co at Lahaina, Maui, Hawaii. One week. 10 hrs. \$850. Contact: J. Bear Co, PO Box 1536, Yreka 96097. (916) 842-6970.
- October 16-17—**2nd Annual Symposium on Advanced Pediatric Emergency Medicine and Trauma**. UCI at Long Beach Airport Marriott Hotel. Fri-Sat. Contact: UCI.
- October 23-25—**Advanced Cardiac Life Support**. CPR Seminars at Ralph K. Davies Medical Center, San Francisco. Fri-Sun. Contact: CPR Seminars, 833 Market St, Ste 421, San Francisco 94103. (415) 543-7282.
- October 26-30—**Current Topics in Occupational Medicine**. UCSF at Cathedral Hill Hotel, San Francisco. Mon-Fri. 40 hrs. \$550.

INTERNAL MEDICINE

- August 23-28—**New Advances in Internal Medicine: Clinical Applications**. UCD at Hyatt Regency, Monterey. Sun-Fri. 23 hrs. \$395. Contact: UCD.
- October 10—**Clinical Update on Thromboembolic Disease and Anticoagulation**. UCD at Hilton Hotel, Sacramento. Sat. Contact: UCD.
- October 24—**Endocrine/Metabolic**. Los Angeles Pediatric Society at UCLA. Sat. 6.5 hrs. \$275. Contact: LAPS, PO Box 2022, Inglewood 90305. (213) 757-1198.
- November 11—**Gastroenterology**. N. T. Enloe Memorial Hospital and Chico Community Hospital at Enloe Hospital, Chico. Wed. 6 hrs. Contact: Linda Morgado, Enloe Hospital, W 5th Ave and The Esplanade, Chico 95926. (916) 891-7300.

OB/GYN

- September 19-22—**The Fetus and Newborn**. Contemporary Forums at San Diego. Sat-Tues. Contact: Contemporary Forums, 530 La Gonda Way, Ste E, Danville 94526. (415) 820-2800.
- October 16-18—**Advanced Fetal Heart Rate Monitoring**. UCI at Embassy Suites Hotel, Napa Valley. Fri-Sun. Contact: UCI.
- November 15-21—**10th Annual Review Course in Clinical Obstetrics & Gynecology and/or Gynecological Histopathology** at UCI. Sun-Sat. Contact: UCI.
- December 4-5—**Environmental Exposure and Fetal Development (March of Dimes)**. UCD at Sacramento Inn. Fri-Sat. Contact: UCD.

OPHTHALMOLOGY

- August 30-Sept 2—**Under Pressure: Glaucoma 1987**. UCD at Hyatt Lake Tahoe, Incline Village, Nevada. Sun-Wed. 12 hrs. \$325. Contact: UCD.
- December 10-11—**Ophthalmic Plastic and Reconstructive Surgery: Past, Present, and Future—A Tribute to Crowell Beard, MD**. UCSF at Hyatt on Union Square, San Francisco. Thurs-Fri. 12 hrs. \$325. Contact: UCSF.

PATHOLOGY

- August 22-29—**7th Annual Symposium on Fine Needle Aspiration**. California Society of Pathologists and UCSF at Royal Lahaina Resort, Kaanapali Beach, Maui, Hawaii. One week. 24.5 hrs. Contact: UCSF.
- October 3—**Fine Needle Aspiration Tutorial**. UCSF at UCSF. Sat. 7 hrs. \$475. Contact: UCSF.

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CONTINUING MEDICAL EDUCATION

(Continued from Page 151)

PEDIATRICS

September 12-13—**44th Annual Brennemann Memorial Lectures.** Los Angeles Pediatric Society at Sheraton Universal Hotel, Los Angeles. Sat-Sun. Contact: Los Angeles Pediatric Society, PO Box 9022, Inglewood 90305. (213) 757-1198.

October 10-17—**11th Annual Pediatrics for the Practitioner.** UCI at Mauna Kea Beach, Hawaii. One week. Contact: UCI.

October 16-17—**2nd Annual Symposium on Advanced Pediatric Emergency Medicine and Trauma.** UCI at Long Beach Airport Marriott Hotel. Fri-Sat. Contact: UCI.

October 16-18—**Current Advances in Pediatrics.** American Academy of Pediatrics and UCI at Disneyland Hotel, Anaheim. Fri-Sun. Contact: AAP, PO Box 1297, Orange 92668. (714) 978-2415.

October 23-25—**Current Concepts in Pediatric Gastroenterology.** Children's Hospital, Oakland at Doubletree Hotel, Monterey. Fri-Sun. Contact: Kim Leadon, CME Office, Children's Hospital, 747 52nd St, Oakland 94609. (415) 428-3021.

October 24—**Cardiology.** Los Angeles Pediatric Society at UCLA. Sat. 6.5 hrs. \$275. Contact: LAPS, PO Box 2022, Inglewood 90305. (213) 757-1198.

October 24—**Endocrine/Metabolic.** Los Angeles Pediatric Society at UCLA. Sat. 6.5 hrs. \$275. Contact: LAPS, PO Box 2022, Inglewood 90305. (213) 757-1198.

November 20-23—**9th Annual Las Vegas Seminars—Pediatric Update.** Los Angeles Pediatric Society at Caesar's Palace. Fri-Mon. Contact: Eve Black, Los Angeles Pediatric Society, PO Box 2022, Inglewood 90305. (213) 757-1198.

January 29-31—**26th Clinical Conference in Pediatric Anesthesiology.** Pediatric Anesthesiology Foundation at Los Angeles Airport Marriott Hotel. Fri-Sun. 15 hrs. \$225. Contact: Wayne Herbert, MD, Childrens Hospital of Los Angeles, PO Box 54700, Los Angeles 90054. (213) 669-2262.

PSYCHIATRY

October 17-18—**Dynamics of Human Development—Implications for Treatment.** Continuing Education Seminars at Los Angeles. Sat-Sun. 11.5 hrs. \$175. Contact: Continuing Education Seminars, 1023 Westholme Ave, Los Angeles 90024. (213) 475-8300.

November 6-8—**33rd Annual: Group Therapy Symposium.** UCSF at Cathedral Hill Hotel, San Francisco. Fri-Sun. Contact: UCSF.

RADIOLOGY

August 22-29—**Radiology.** USC at Maui Marriott Hotel, Maui, Hawaii. One week. 26 hrs. \$525. Contact: USC.

August 26-28—**Interventional Radiology.** UCSF at Hyatt Regency Hotel, San Francisco. Wed-Fri. Contact: UCSF.

August 27-30—**3rd Annual Physics and Biology of Radiology.** UCSD at San Diego Town and Country Hotel. Thurs-Sun. 26.5 hrs. \$395. Contact: Dawne Ryals, PO Box 920113, Norcross, GA 30092-0113. (404) 641-9773.

August 28-30—**3rd Annual Sonographers' Update and Review.** UCSD at Bahia Resort Hotel, San Diego. Fri-Sun. 16 hrs. \$275. Contact: Dawne Ryals, PO Box 920113, Norcross, GA 30092-0113. (404) 641-9773.

August 29-30—**Advances in Imaging Technology.** UCSF at Hyatt Regency, San Francisco. Sat-Sun. Contact: UCSF.

September 10-12—**Contemporary Diagnostic Imaging: CT, Interventional, MRI, US.** UCSF at Hyatt Regency, Monterey. Thurs-Sat. Contact: UCSF.

September 10-12—**Advances in Sectional Imaging.** UCSD at US Grant Hotel, San Diego. Thurs-Sat. 14 hrs. \$375. Contact: UCSD.

September 10-13—**Physics of Diagnostic Radiology.** UCD at UCD. Thurs-Sun. 25 hrs. Contact: UCD.

(Continued on Page 228)

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CONTINUING MEDICAL EDUCATION

(Continued from Page 155)

September 17-19—**Ultrasound Workshop.** UCSF at San Francisco. Thurs-Sat. Contact: UCSF.

October 17-18—**Magnetic Resonance Imaging for Technologists.** UCSF at Hyatt Regency Hotel, San Francisco. Sat-Sun. Contact: UCSF.

October 19-23—**Clinical Magnetic Resonance Imaging.** UCSF at Hyatt Regency Hotel, San Francisco. Mon-Fri. \$495. Contact: UCSF.

October 19-23—**12th Annual San Diego Postgraduate Course.** UCSD at Hotel del Coronado, Coronado. Mon-Fri. 28 hrs. \$425. Contact: Dawne Ryals, PO Box 920113, Norcross, GA 30092-0113. (404) 641-9773.

January 24-31—**Radiology for Emergency & Primary Care Physicians.** American Institute of Postgraduate Education and Scripps Memorial Hospital, Encinitas at Kona Surf Resort, Kona, Hawaii. One Week. 21 hrs. \$395. Contact: Edith S. Bookstein/AIPE, PO Box 3586, La Jolla 92038. (619) 454-3212.

SPORTS MEDICINE

August 21-23—**Sports Medicine Updates.** J. Bear Co at Klamath River (whitewater rafting). Fri-Sun. 10 hrs. \$295. Contact: J. Bear Co, PO Box 1536, Yreka 96097. (916) 842-6970.

SURGERY

September 14-17—**Cochlear Implant Training—1987.** House Ear Institute, Los Angeles. Mon-Thurs. 24 hrs. \$250. Contact: Antonio De la Cruz, MD, House Ear Institute, 256 S Lake St, Los Angeles 90057. (213) 483-4431.

September 26-27—**Regional Review Course in Hand Surgery.** American Society for Surgery of the Hand at Los Angeles. Sat-Sun. 12 hrs. Contact: Terri Harrington, American Society for Surgery of the Hand, 3025 S Parker Rd, Ste 65, Aurora, CO 80014. (303) 755-4588.

October 4-10—**Temporal Bone Surgical Dissection.** House Ear Institute, Los Angeles. Sun-Sat. \$750-950. Contact: Antonio De la Cruz, MD, Director of Education, House Ear Institute, 256 S Lake St, Los Angeles 90057. (213) 483-4431.

October 5—**Wrist Arthroscopy.** American Society for Surgery of the Hand at San Diego. Mon. Contact: Paula Scheid, American Society for Surgery of the Hand, 3025 S Parker Rd, Ste 65, Aurora, CO 80014. (303) 755-4588.

October 17-18—**Regional Review Course in Hand Surgery.** American Society for Surgery of the Hand at San Francisco. Sat-Sun. 12 hrs. Contact: Terri Harrington, American Society for Surgery of the Hand, 3025 S Parker Rd, Ste 65, Aurora, CO 80014. (303) 755-4588.

October 18-24—**Temporal Bone Surgical Dissection—1987.** House Ear Institute, Los Angeles. Sun-Sat. \$750-950. Contact: Antonio De la Cruz, MD, Director of Education, House Ear Institute, 256 S Lake St, Los Angeles 90057. (213) 483-4431.

November 21—**Primary Care Course.** American Society for Surgery of the Hand at Los Angeles. Sat. 7 hrs. Contact: Anne Turner, American Society for Surgery of the Hand, 3025 S Parker Rd, Ste 65, Aurora, CO 80014. (303) 755-4588.

December 6-12—**Temporal Bone Surgical Dissection—1987.** House Ear Institute at House Ear Institute, Los Angeles. Sun-Sat. 62 hours. \$750-950. Contact: Antonio De la Cruz, MD, Director of Education, House Ear Institute, 256 S Lake St, Los Angeles 90057. (213) 483-4431.

OF INTEREST TO ALL PHYSICIANS

August 16-26—**30th Anniversary Postgraduate Refresher Course—Program I.** USC at Sheraton Waikiki Hotel, Honolulu and the Marriott Hotel, Maui, Hawaii. Sun-Wed. 37 hrs. \$535-585. Contact: USC, in California, (800) 321-1919, outside California, (800) 421-6729.

August 20-21—**6th Annual: General Medicine Update for Practicing Physicians.** Northern Inyo Hospital, Bishop. Wed-Thurs. 10 hrs. Contact: Lynda Schmidt, Northern Inyo Hospital, 150 Pioneer Lane, Bishop 93514. (619) 873-5811.

August 23-September 2—**30th Anniversary Postgraduate Refresher Course—Program II.** USC at Marriott Hotel, Maui and the Waiohai Hotel, Kauai, Hawaii. Sun-Wed. 37 hrs. \$535-585. Contact: USC, in California, (800) 321-1929, outside California, (800) 421-6729.

August 30—**1 Day Dermatology and Dermatologic Office Procedures Workshop.** Continuing Medical Education Associates at Newporter Resort, Newport Beach. Sun. 7 hrs. \$195. Contact: J. Shiller, CMEA, PO Box 84296, San Diego 92138. (619) 223-2997.

September 9-11—**Primary Care Medicine: Principles and Practice.** UCSF at Hyatt on Union Square, San Francisco. Wed-Fri. 20 hrs. \$365. Contact: UCSF.

September 13—**1 Day Dermatology and Dermatologic Office Procedures Workshop.** Continuing Medical Education Associates at Holiday Inn Union Square, San Francisco. Sun. 7 hrs. \$195. Contact: J. Shiller, CMEA, PO Box 84296, San Diego 92138. (619) 223-2997.

September 14-18—**STD Clinician Training Course—Intensive.** Long Beach Health Dept. Mon-Fri. Contact: Anne-Renee Henningberg, Long Beach STD Training Center, PO Box 6157, Long Beach 90806. (213) 427-7421.

September 16—**Common Office Pediatric and Dermatology Cases.** N. T. Enloe Memorial Hospital and Chico Community Hospital at Enloe Hospital, Chico. Wed. 6 hrs. Contact: Linda Morgado, Enloe Hospital, W 5th Ave and The Esplanade, Chico 95926. (916) 891-7300.

September 20—**1 Day Dermatology and Dermatologic Office Procedures Workshop.** Continuing Medical Education Associates at Hyatt Islandia Hotel, San Diego. Sun. 7 hrs. \$195. Contact: J. Shiller, CMEA, PO Box 84296, San Diego 92138. (619) 223-2997.

September 21-22—**7th Annual Bristol-Myers Symposium on Nutrition Research: Nutrition and the Origins of Disease.** UCD at Fairmont Hotel, San Francisco. Mon-Tues. 15 hrs. \$100. Contact: UCD.

September 30—**Drug Therapy for Ventricular Arrhythmias.** Regional Arrhythmia Center at Cedars-Sinai Medical Center, Los Angeles. Wed. 5 hrs. Contact: Lore Kahane, Cedars-Sinai Medical Center, 8700 Alden Dr, Los Angeles 90048. (213) 855-5547.

October 9-10—**Twelfth Annual Clinical Neurosciences Symposium.** Dominican Neurologic Institute, Dominican Hospital at Chaminade Conference Center, Santa Cruz. Fri-Sat. \$300. Contact: Karen Rickenbach, Dominican Neurologic Institute, Dominican Hospital, 1555 Soquel Dr, Santa Cruz 95065. (408) 462-7706.

October 14—**17th Annual Respiratory Medicine.** N. T. Enloe Memorial Hospital and Chico Community Hospital at Enloe Hospital, Chico. Wed. 6 hrs. Contact: Linda Morgado, Enloe Hospital, W 5th Ave and The Esplanade, Chico 95926. (916) 891-7300.

October 16-18—**Office Orthopedics for the Primary Care Physician.** Sharp Memorial Hospital at San Diego Princess Hotel. Fri-Sun. 20 hrs. \$365. Contact: J. Shiller, CMEA, PO Box 84296, San Diego 92138. (619) 223-2997.

October 19-22—**Annual Family Practice Update.** Mon-Thurs. LLU at LLU. Contact: LLU.

October 19-30—**Sexually Transmitted Disease (STD) Clinician Training Course—Comprehensive.** Long Beach Health Department and UCI at Long Beach. Mon-Fri. Anne-Renee Henningberg, Long Beach STD Training Center, PO Box 6157, Long Beach 90806. (213) 427-7421.

October 22-24—**West Coast Counties Postgraduate Institute.** California Medical Association at Sheraton Hotel, Monterey. Thurs-Sat. 12 hrs. Contact: Janice Rigney, CMA, PO Box 7690, San Francisco 94120-7690. (415) 863-5522, ext. 416.

October 26-November 1—**Traumatic Brain Injury.** UCD at Red Lion Motor Inn, Sacramento. Mon-Sun. Contact: UCD.

November 12-14—**2nd Annual: Progress in Impotence—Workshops/Seminars.** UCSD at Hyatt Islandia Hotel, San Diego. Thurs-Sat. 13 hrs. \$295. Contact: Edith Bookstein/UREF, PO Box 2586, La Jolla 92038. (619) 454-3212.

November 18—**Common Musculo-Skeletal Problems.** Veterans Administration Medical Center, Sepulveda. Wed. 5 hrs. Contact: Arun J. Mehta, MD, Rehabilitation Medicine Service, (117) VAMC, 16111 Plummer St, Sepulveda 91343. (818) 891-2473.

November 22—**Controversy in Modern Medicine—1987.** Granada Hills Community Hospital and UCLA at Sheraton Universal Hotel, N Hollywood. Sun. 7 hrs. \$100. Contact: Beverly Chaussee, Granada Hills Community Hospital, 10445 Balboa Blvd, Granada Hills 91344. (818) 360-1021.

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CONTINUING MEDICAL EDUCATION

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December 7-18—**Sexually Transmitted Disease (STD) Clinician Training Course—Comprehensive.** Long Beach Health Department and UCI. Mon-Fri. Contact: Anne-Renee Heningberg, Long Beach STD Training Center, PO Box 6157, Long Beach 90806. (213) 427-7421.

IDAHO

August 13-15—**Sun Valley Emergency Medical Conference.** Convention Center, Sun Valley. Thurs-Sat. Contact: Idaho EMS System, 450 W State St, Boise 83720. (208) 334-5994.

MONTANA

October 1-3—**Montana Medical Association—Annual Meeting.** Copper King Inn, Butte. Thurs-Sat. Contact: MMA, 2012 11th Ave, Ste 12, Helena 59601. (406) 443-4000.

NEW MEXICO

Information, requests for accreditation and items to be listed should be sent to the chairman of the CME Committee, New Mexico Medical Society, 303 San Mateo NE, Suite 204, Albuquerque, NM 87108 at least two months in advance. For information on CME accreditation or on the CME requirements of the New Mexico Board of Medical Examiners, please write to the above address or call (505) 266-7868.

NOTE: Course information in the following listing is subject to change on occasion. Check with the sponsoring institution for current details.

September 11-13—**Essentials of Health Care for the Elderly.** UNM Conference Center, Albuquerque. Fri-Sun. Contact: UNM School of Medicine, Office of CME, (505) 277-3942.

September 19—**Practical Management of Diabetic Foot Infections.** Veterans Administration Medical Center, Albuquerque. Sat. Contact: UNM School of Medicine, Office of CME, (505) 277-3942.

September 24-26—**Concepts and Controversies in Perinatal Care.** Holiday Inn Journal Center, Albuquerque. Thurs-Sat. Contact: UNM School of Medicine, Office of CME, (505) 277-3942.

September 24-26—**Wilson Lectureship—Cardiology Symposium.** Albuquerque. Thurs-Sat. Contact: Presbyterian Heart Institute Cardiology Symposium, PO Box 26666, Albuquerque 87125. (505) 841-1065.

October 1-3—**Management of Radiation Accidents.** Sheraton Old Town, Albuquerque. Thurs-Sat. Contact: UNM School of Medicine, Office of CME, (505) 277-3942.

October 10-11—**Pediatric Chronic Diseases.** Santa Fe. Sat-Sun. Contact: Marilyn Stack, Executive Secretary, New Mexico Pediatric Society, (505) 265-7431.

October 23—**Update in Cardiology.** Albuquerque. Fri. Contact: Charles Karaian, MD, 1101 Medical Arts Ave NE, Albuquerque 87102. (505) 842-8321.

October 23-25—**The 12 Lead ECG for the Primary Care Physician.** Presbyterian Hospital, Albuquerque. Fri-Sun. Contact: The Presbyterian Heart Institute, Barry W. Ramo, MD, (505) 242-2796.

November 13-14—**New Mexico Medical Society Interim Meeting—Risk Management.** Sally Port Inn, Roswell. Fri-Sat. Contact: NMMS, (505) 266-7868.

December 3-5—**American College of Physicians, New Mexico Chapter—Scientific Meeting.** Marriott Hotel, Albuquerque. Thurs-Sat. Contact: UNM School of Medicine, Office of CME, (505) 277-3942.

December 11-12—**Trauma Update '87.** UNM Conference Center, Albuquerque. Fri-Sat. Contact: UNM School of Medicine, Office of CME, (505) 277-3942.

(Continued on Page 230)

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Director, National Cancer Institute
Bethesda, MD

Bernard Fisher, MD
Project Chairman, NSABP Trials
Pittsburgh, PA

Samuel Hellman, MD
Physician-in-Chief
Sloan Kettering Cancer Center, NY

Thomas Krizek, MD
Prof. and Chrmn., Dept. of Surgery
Section of Plastic & Reconstructive
Surgery
University of Chicago, IL

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Washington Univ. Medical Center
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CONTINUING MEDICAL EDUCATION

(Continued from Page 229)

UTAH

This listing of continuing medical education courses in Utah is compiled and edited by the CME office of the Utah State Medical Association. All courses listed have been certified by CME accredited institutions as meeting the criteria for Category 1 of the Physician's Recognition Award of the American Medical Association. They also must meet the definition of Utah Approved CME Credit for the purpose of medical license reregistration in Utah. Accredited institutions wishing to list AMA Category 1/Utah Approved CME courses here should send information at least two months in advance to the Office of Continuing Medical Education, 540 East Fifth South, Salt Lake City, Utah 84102; or phone (801) 355-5290. For information on CME accreditation or on the CME requirements of the Utah Physicians' Licensing Board, please write the CME office at the above address.

NOTE: Course information in the following listing is subject to change on occasion. Check with the sponsoring institution or the CME office for current details.

MEDICAL GRAND ROUNDS

Each Wed—8:00-9:00 a.m. Alternating between University of Utah Medical Center and VA Medical Center, Salt Lake City. Contact: William D. Odell, MD, PhD, Professor and Chairman, Dept of Internal Medicine, Univ of Utah, (801) 581-7606.

August 24-28—**Occupational Epidemiology** (Sponsor: UUMC). Mon-Fri. College of Nursing, Univ of Utah, Salt Lake City. 32.5 hrs. Contact: Connie Crandall, (801) 581-5710.

SPONSORS OF COURSES—ABBREVIATIONS

| | |
|--------|--|
| AHA: | American Heart Association, Utah Affiliate, 645 E 400 South, Salt Lake City 84102. (801) 322-5601. |
| BYUHS: | Brigham Young University Health Services, McDonald Student Health Center, Brigham Young University, Provo 84602. (801) 378-2771. |
| CH: | Castleview Hospital (formerly Carbon Hospital), RFD 2, Box 46, Price 84501. (801) 637-4800. |
| CWH: | Cottonwood Hospital, 5770 S 300 East, Salt Lake City 84101. (801) 262-3461. |
| DMC: | Dixie Medical Center, 544 S 400 East, St George 84770. (801) 673-9681. |
| HCH: | Holy Cross Hospital, 1045 E First South, Salt Lake City 84102. (801) 350-4744. |
| ITS: | Intermountain Thoracic Society, 1616 S 11th East, Salt Lake City 84105. (801) 484-4456. |
| LDSH: | Latter-Day Saints Hospital, 325 8th Ave, Salt Lake City 84143. (801) 350-1100. |
| LRH: | Logan Regional Hospital, 1400 N 5th East, Logan 84321. (801) 752-2050. |
| MDH: | McKay-Dee Hospital Center, 3939 Harrison Blvd, Ogden 84409. (801) 399-4141. |
| MVH: | Mountain View Hospital, 1000 E Highway 6, Payson 84651. (801) 465-9201. |
| 144: | 144th Evacuation Hospital, PO Box 8000, Salt Lake City 84108. (801) 524-3924. |
| OSS: | Ogden Surgical Society, PO Box 9311, Ogden 84409. |
| PCMC: | Primary Children's Medical Center, 320 12th Ave, Salt Lake City 84103. (801) 363-1221. |
| PVH: | Pioneer Valley Hospital, 3460 S 4155 West, West Valley City 84120. (801) 968-9061. |
| SMH: | St Mark's Hospital, 1200 E 3900 South, Salt Lake City 84117. (801) 268-7111. |
| UOS: | Utah Ophthalmological Society, 540 E 500 South, Salt Lake City 84102. (801) 355-7477. |
| USH: | Utah State Hospital, PO Box 270, Provo 84603-0270. (801) 373-4400. |
| UUMC: | University of Utah Medical Center, 50 N Medical Dr, Salt Lake City 84132. (801) 581-2258. |
| UVH: | Utah Valley Hospital, 1034 N Fifth West, Provo 84601. (801) 373-7850. |
| VAMC: | Veterans Administration Medical Center, 500 Foothill Dr, Salt Lake City 84148. (801) 582-1565. |
| VVMC: | Valley View Medical Center, 595 S 75 East, Cedar City 84720. (801) 586-6587. |

August 31-September 4—**Environmental Epidemiology and Risk Assessment** (Sponsor: UUMC). Mon-Fri. College of Nursing, Univ of Utah, Salt Lake City. 32.5 hrs. Contact: Connie Crandall, (801) 581-5710.

September 9-11—**Utah State Medical Association Annual Meeting**. Marriott Hotel, Salt Lake City. Wed-Fri. Contact: USMA, 540 E Fifth South, Salt Lake City 84102. (801) 355-5290.

WASHINGTON

This listing of continuing medical education programs in Washington state is compiled by the Washington State Medical Association. To list Category 1 programs here please send information at least two months in advance to Continuing Medical Education, Washington State Medical Association, 2033 Sixth Avenue, Suite 900, Seattle, WA 98121; or phone (206) 441-WSMA.

Brochures and registration forms are available from the contact person or organization listed at the end of each course or in the list of course sponsors and contact information.

COURSE SPONSORS AND CONTACT INFORMATION

CME HARBORVIEW—Contact: Gayle Splater, Cytology Continuing Education, Dept. of Pathology, Harborview Medical Center, 325 Ninth Avenue, Seattle, WA 98104. (206) 223-5953.

CME PIERCE COUNTY—Contact: Mrs Maxine Bailey, Executive Director, College of Medical Education, 705 South Ninth, No. 203, Tacoma, WA 98405. (206) 627-7137.

U/W (UNIVERSITY OF WASHINGTON)—Contact: U/W School of Medicine, Div. of CME, SC-50, Seattle, WA 98195. (206) 543-1050.

WSMA—Washington State Medical Association, Continuing Medical Education, 2033 Sixth Ave, Suite 900, Seattle, WA 98121. (206) 441-9762.

VMMC (VIRGINIA MASON MEDICAL CENTER)—Contact: Linda Orgel, Division of Continuing Medical Education, Virginia Mason Medical Center, PO Box 900, Seattle, WA 98111. (206) 223-6898.

August 20-21—**Plastic Surgery: Lectures and Workshops on the Techniques of Small Excisions and Wound Management**. Seattle. Thurs-Fri. Contact: U/W.

August 20-22—**Imaging on Lake Coeur d'Alene**. Coeur d'Alene. Thurs-Sat. Contact: Sacred Heart Medical Center, (509) 455-3352.

September 11—**Patient Controlled Analgesia**. Seattle. Fri. Contact: U/W.

September 11—**Depression: Update '88**. Seattle. Fri. Contact: U/W.

September 14-18—**Primary Care: Skills and Knowledge**. Presented by the Department of Family Medicine. Seattle. Mon-Fri. Contact: U/W.

September 21-22—**Total Hip Replacement**. The Inn at Semiahmoo, Blaine. Mon-Tues. Contact: U/W.

October 1-2—**American College of Emergency Physicians—17th Annual Fall Scientific Assembly**. Seattle. Thurs-Fri. Bellevue Red Lion Inn. Contact: Washington Chap, ACEP, (206) 441-9762.

October 14—**Psychological Aspects of Occupational Health**. Seattle. Wed. Contact: UW, (206) 543-1069.

October 15-17—**Annual Review of Neurosurgery**. Seattle. Thurs-Sat. Contact: U/W.

October 16—**Psychosis: What's New, What's True**. Seattle. Fri. Contact: U/W.

October 16—**21st Annual Cancer Conference: Breast Cancer—Issues Faced by the Primary Care Physician & Patient**. Seattle. Fri. Contact: VMMC.

October 29-31—**Orthopedic Review**. Seattle. Thurs-Sat. Contact: VMMC.

November 27-December 10—**Emergency and Critical Care Down-under**. Sites in New Zealand and Australia. Fri-Thurs. Contact: Washington Chapter, American College of Emergency Physicians, Georgine Elich, Kailani World Travel, 1 (800) 542-5264 or (206) 671-1800. ♦

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INFORMATION FOR AUTHORS

Submitting Manuscripts

Manuscripts for consideration should be sent to the editor, Malcolm S. M. Watts, MD, PO Box 7602, San Francisco, California 94120-7602. The transmittal letter should designate one person as correspondent and include complete address, with ZIP code and telephone number.

In view of *The Copyright Revision Act of 1976*, transmittal letters should contain the following language: "In consideration for reviewing and editing my submission, the author(s) undersigned hereby transfers, assigns or otherwise conveys all copyright ownership to THE WESTERN JOURNAL OF MEDICINE in the event that such work is published by the journal." This statement should be signed by *all* authors.

Authors are urged to seek clarity and succinctness in all manuscripts regardless of subject matter or format and to give close attention to syntax, grammar and spelling.

Clinical Investigation Section

Articles that authors wish to have considered for the Clinical Investigation section should be so designated in the transmittal letter. The type of articles appropriate for this section are those that describe experimental work in humans that extensively and prospectively examines scientific hypotheses relating to disease. An article describing a single case report will not normally be considered appropriate for this section.

Preparing Manuscripts

The original manuscript and *two* copies should be submitted on heavy bond paper (8½ by 11 inches, *not* erasable), typed *double-spaced throughout* (including legends, tables and references) on one side of the paper, with 1½-inch margins. Ordinarily, articles should not exceed 3,000 words (less than 15 text pages, typed double-spaced). Under exceptional circumstances only will articles longer than 4,000 words be published. Pages should be numbered consecutively, beginning with the title page. Manuscripts produced with a dot-matrix printer are ordinarily not acceptable.

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Abbreviations. Use of abbreviations should be minimized. If they are necessary, abbreviations should be spelled out at first mention, with the abbreviation itself immediately following in parentheses.

Weights and measures. All measurements should be given in metric units. English equivalents should be given parenthetically if the measurements were originally done in English units.

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Titles are best when brief and concise. The title page should include the full name of the author(s), with degrees, academic or professional titles, complete addresses and any institutional or other affiliations. The complete name and address of the person who will handle reprint requests also should appear on this page.

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The abstract (approximately 150 words) should be a short summary, saying in brief what is said at length in the body of the article—rather than such and such "is discussed," "is presented" or "was investigated."

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Each table should be typed on a separate sheet of paper, be numbered consecutively in Arabic numerals, have a brief descriptive title and have its position indicated in the text.

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Three sets of clear, unmounted black and white glossy prints of figures should be submitted (preferably 5 by 7 inches, but no larger than 8½ by 11 inches). For line drawings, original artwork or glossy prints are acceptable. Illustrations should be numbered consecutively in Arabic numerals and the position indicated in the text. Figure number, first author's name and top of the photo should be shown on the reverse side of each illustration. Recognizable photographs of patients are to be masked and written permission for publication obtained from the patients.

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Journal Articles

Note handling of multiple authorship. If more than three authors are listed as contributors, use "et al" to designate those names after the first three. Also note capitalization, punctuation, mention of inclusive page numbers and year of publication. Separate the subtitle from the title by either a dash or a colon. Use colon *only* if it appears in the original citation.

1. Jones JS, Anderson HW, Johnson DW, et al: The athletic heart revisited—Sudden death of a 28-year-old athlete. *JAMA* 1978; 292:444-456

2. Graybill JR, Alford RH, Smith RG, et al: Cell-mediated immunity in cryptococcosis: A brief review. *Cell Immunol* 1978; 7:76-79

Books

Note handling of "edition," "editor(s)" and "volume," as well as appropriate sequence of reference information and capitalization of chapters and titles.

3. Berne EJ, Smith TL: Role playing in therapy, chap 2, *Principles of Group Therapy*. New York, Oxford University Press, 1966, pp 35-51 (*author of chapter same as author of book*)

4. Munsung JM: The role of drugs, chap 2, *In* Brest AN, Mayer JH (Eds): *Hypertension—Vol 2, Therapy*, 2nd Ed. Springfield, Ill, Charles C Thomas, 1961, pp 456-479 (*author of chapter different from authors of book*)

Pamphlets, Monographs or Books With No Given Author

5. AMA Department of Drugs: AMA Drug Evaluation, 3rd Ed. Littleton, Mass, Publishing Sciences Group, 1977 (*corporate author*)

6. Compilation of Standard Definitions, 3rd Ed. Philadelphia, American Society for Testing and Materials, 1976 (*no given author; give name and place of publisher*)

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It is the policy of the *WJM* not to print acknowledgments, the feeling being that if a person has contributed enough to a paper to be mentioned, he or she should be included among the authors, or the contribution should be mentioned in the body of the paper or in a footnote.

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Brief manuscripts commenting on articles that have appeared in the journal, containing information of interest to physicians or discussing issues of the day will be considered for publication. Very short reports of cases, clinical experience, clinical studies, adverse effects and the like also will be considered. Items for the Correspondence section should not exceed 600 words and should have no more than five bibliographic references and one figure or table.

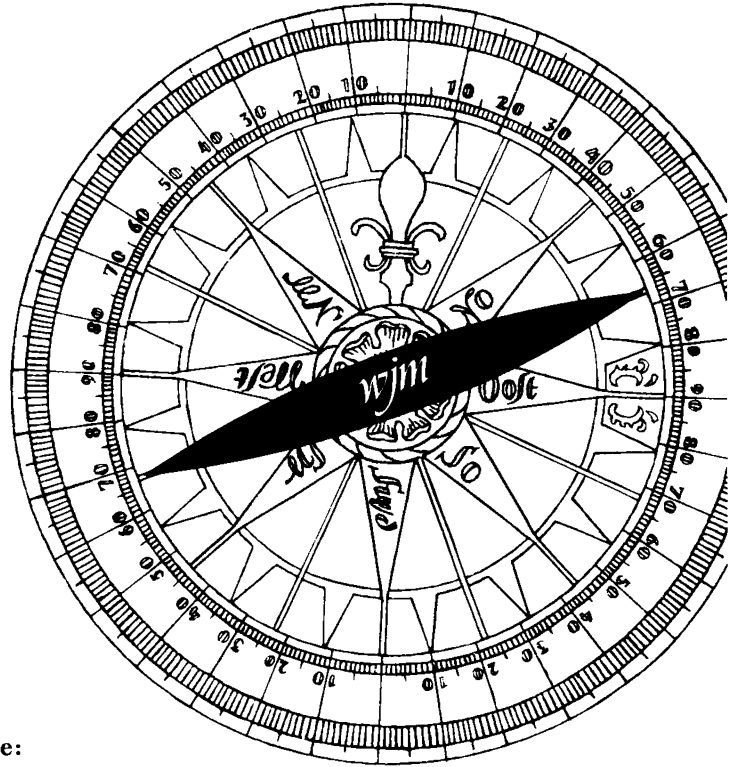
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Arizona Medical Association, Inc—810 W Bethany Home Rd, Phoenix 85013. (602) 246-8901. Annual Meeting: 1988, date and place to be announced.

California Medical Association—PO Box 7690, San Francisco 94120-7690. (415) 863-5522. Annual Meeting: March 4-9, 1988, Bally's Grand Hotel, Reno.

Colorado Medical Society—PO Box 17550, Denver 80217-0550. (303) 779-5455. Annual Meeting: September 9-12, 1987, Beaver Run, Breckenridge.

Hawaii Medical Association—320 Ward Ave, Suite 200, Honolulu 96814. (808) 536-7702. Annual Meeting: October 10-12, 1987, Kauai Surf, Kauai.

Idaho Medical Association—305 W Jefferson, PO Box 2668, Boise 83701. (208) 344-7888. Annual Meeting: July 27-August 2, 1987, Coeur d'Alene.

Montana Medical Association—2012 11th Ave, Suite 12, Helena 59601. (406) 443-4000. Annual Meeting: October 1-3, 1987, Copper King Inn, Butte.

Nevada State Medical Association—3660 Baker Lane, Reno 89502. (702) 825-6788. Annual Meeting: 1988, date and place to be announced.

New Mexico Medical Society—303 San Mateo NE, Suite 204, Albuquerque 87108. (505) 266-7868. Annual Meeting: 1988, date and place to be announced.

Oregon Medical Association—5210 SW Corbett Ave, Portland 97201. (503) 226-1555. Annual Meeting: (House of Delegates only): 1988, date and place to be announced.

Utah State Medical Association—540 E Fifth South, Salt Lake City 84102. (801) 355-7477. Annual Meeting: September 9-11, 1987, Marriott Hotel, Salt Lake City.

Washington State Medical Association—900 United Airlines Bldg, 2033 6th Ave, Seattle 98121. (206) 441-WSMA. Annual Meeting: September 17-20, 1987, Sheraton, Tacoma.

Wyoming Medical Society—PO Drawer 4009, Cheyenne 82003-4009. (307) 635-2424. Annual Meeting: 1988, date and place to be announced.

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